

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20040049089".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/03/27 14:06
S1	1116918	"acrylic acid" dehydrat? glycerol "gas phase" oxidation "tandem-type reactor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/16 16:20
S2	0	"acrylic acid" dehydrat? glycerol "gas phase" oxidation ("tandem- type reactor" or "tandem reactor") ("single-type reactor" or "single reactor")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 11:31
S3	0	"acrylic acid" dehydration glycerol "gas phase" oxidation ("tandem-type reactor" or "tandem reactor") ("single-type reactor" or "single reactor") oxygen	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/09/07 15:01
S4	23	"acrylic acid" dehydration glycerol "gas phase" oxidation reactor oxygen	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/16 16:27
S5	4084	"acrylic acid" glycerol gas oxidation oxygen	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 15:20
S6	82	"acrylic acid" glycerol gas oxidation oxygen dehydrat?	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/16 16:49
S7	81	"acrylic acid" glycerol gas oxidation oxygen dehydrat? water	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/16 16:29

S8	79	S7 not S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/16 16:39
S9	3	"2005213225"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/16 16:39
S10	5	"2005073160"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/16 16:39
S11	22	"acrylic acid" same glycerol same gas same (oxidation or oxidize or dehydrate or dehydration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/16 17:21
S12	105	"acrylic acid" same glycerol same (oxidation or oxidize or dehydrate or dehydration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/16 17:03
S13	83	S12 not S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/16 17:11
S14	10	("20030109281"   "5387720"   "5677261"   "5959143"   "6403829").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 12:08
S15	18	((("6844467") or ("2721188") or ("3334132") or ("4962027") or ("5677261") or ("5387720"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/05/16 17:20
S16	5109892	"acrylic acid" glycerol "gas phase" "oxidation reaction" "dehydration reaction" "glycerol solution" "aqueous glycerol" water "tandem-type reactor" oxygen "single-type reactor" reactor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/16 17:24

S17	12	S15 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/16 17:24
S18	9	"9302152".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 11:32
S19	16	"9302152"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 11:32
S20	80	propylene same acrolein same "acrylic acid" same oxidiz?	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 12:11
S21	80	propylene same acrolein same "acrylic acid" same oxidiz? and acrolein	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 12:15
S22	79	propylene same acrolein same "acrylic acid" same oxidiz? and acrolein and (tandem or reactor or tube)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 12:16
S23	80	propylene same acrolein same "acrylic acid" same oxidiz? and acrolein and (tandem or reactor or tube or single)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 12:16
S24	14	S23 and ("tandem-type reactor" or "single-type reactor" or "reaction tube")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 14:57
S25	776	((562/532) or (562/577)).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/05/17 14:57
S26	16	S25 and "acrylic acid" and glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/17 15:16

S27	4	S25 and (glycerol with (propene or propylene))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/17 15:18
S28	13635	"acrylic acid" and (glycerol with (propene or propylene))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/17 15:19
S29	86238	"acrylic acid" and (glycerol near "6" (propene or propylene))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/17 15:19
S30	8021	"acrylic acid" and (glycerol near6 (propene or propylene))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/17 15:20
S31	4088	"acrylic acid" glycerol gas oxidation oxygen	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 15:21
S32	1178	S31 and (glycerol near4 (propylene or propene))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 15:21
S33	32239	glycerol near3 (propylene or propene)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 15:22
S34	82	"acrylic acid" glycerol gas oxidation oxygen dehydrat?	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 15:22
S35	16	S34 and S33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 15:22
S36	80	propylene same acrolein same "acrylic acid" same oxidiz? and acrolein and (tandem or reactor or tube or single)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/05/17 15:38

S37	107	"acrylic acid" and glycerol and gas adj phase adj oxidation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/09/07 15:12
S38	19	(synthesis or production or producing or produce) adj3 "acrylic acid" same glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/09/07 15:16
S39	10	(synthesis or production or producing or produce) adj3 "acrylic acid" with glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/09/07 15:17
S40	253	(synthesis or production or producing or produce) adj3 "acrylic acid" and glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/09/07 15:17
S41	109	(synthesis or production or producing or produce) adj3 "acrylic acid" and (glycerol same water)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/09/07 15:17
S42	72	(synthesis or production or producing or produce) adj3 "acrylic acid" and (glycerol with water)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2007/09/07 15:17
S43	147	(producing or making or forming or production or made or formed or formation or produced) adj2 (acrylic adj acid) and (low or minimal or small or lowered) adj water	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 15:44
S44	63	(producing or making or forming or production or made or formed or formation or produced) adj (acrylic adj acid) and (low or minimal or small or lowered) adj water	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 15:45

S45	1	(producing or making or forming or production or made or formed or formation or produced) adj (acrylic adj acid) same (low or minimal or small or lowered) adj water	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 15:46
S46	6	(producing or making or forming or production or made or formed or formation or produced) adj2 (acrylic adj acid) same (low or minimal or small or lowered) adj water	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 15:47
S47	82754	acrylic adj acid.ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 15:50
S48	17	S44 and S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 15:50
S49	7	S44 and S47 and glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 15:51
S50	83	glycerol with (low or minimal or small or lowered) adj water	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 15:54
S51	6048	glycerol with (water adj level or content or percentage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 15:54
S52	7	S50 and acrylic adj acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 15:55
S53	12	("20030109281"   "4871700"   "5387720"   "5677261"   "5959143"   "6403829").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/03/20 16:00

S54	7	(producing or making or forming or production or made or formed or formation or produced) adj acrolein and (low or minimal or small or lowered) adj water	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 16:04
S55	0	(producing or making or forming or production or made or formed or formation or produced) adj acrolein and (low or minimal or small or lowered) adj water and glycerol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 16:05
S56	0	(producing or making or forming or production or made or formed or formation or produced) adj acrolein and glycerol and water	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 16:05
S57	77	(producing or making or forming or production or made or formed or formation or produced) adj acrolein and glycerol and water	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 16:05
S58	29	(producing or making or forming or production or made or formed or formation or produced) adj acrolein and glycerol with water	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 16:06
S59	2	"5387720".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 16:17
S60	36	(producing or making or forming or production or made or formed or formation or produced) adj (acrylic adj acid) and acrolein and glycerol and S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/20 16:28
S61	4	"589138".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/24 12:27

S62	2	"5892138".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/03/24 12:27
S63	2	"6525217".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/03/26 17:01
S64	0	tube adj bundle adj reactor and tandem adj type adj reactor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/03/26 17:03
S65	0	tube adj bundle adj reactor with tandem adj type adj reactor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2008/03/26 17:03

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